

FIG. 1

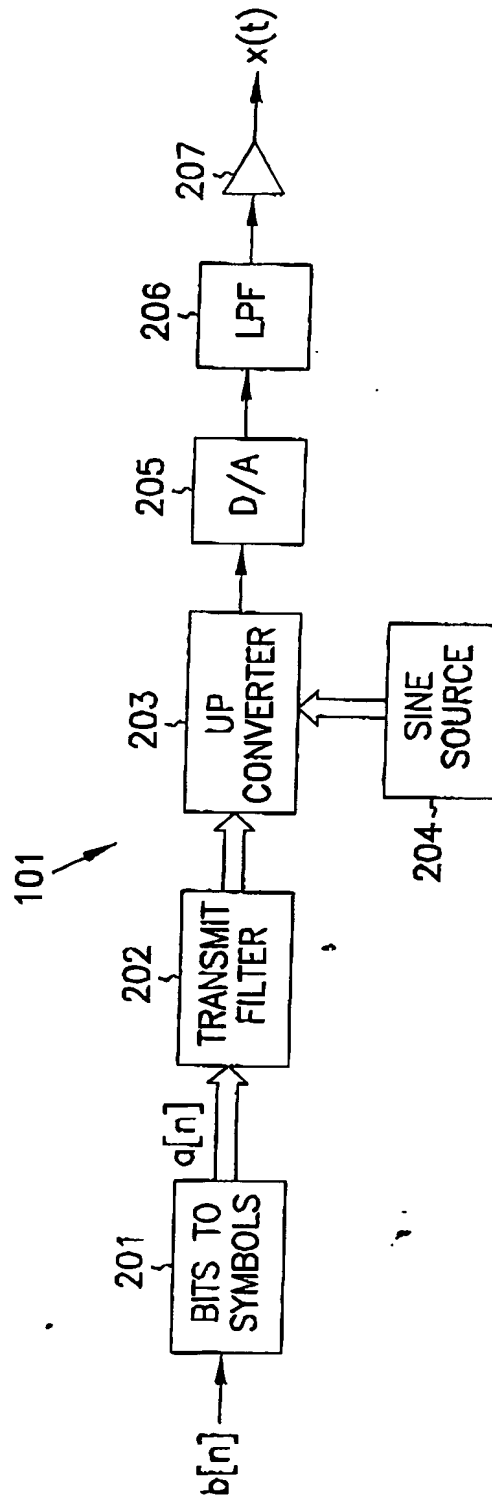


FIG. 2

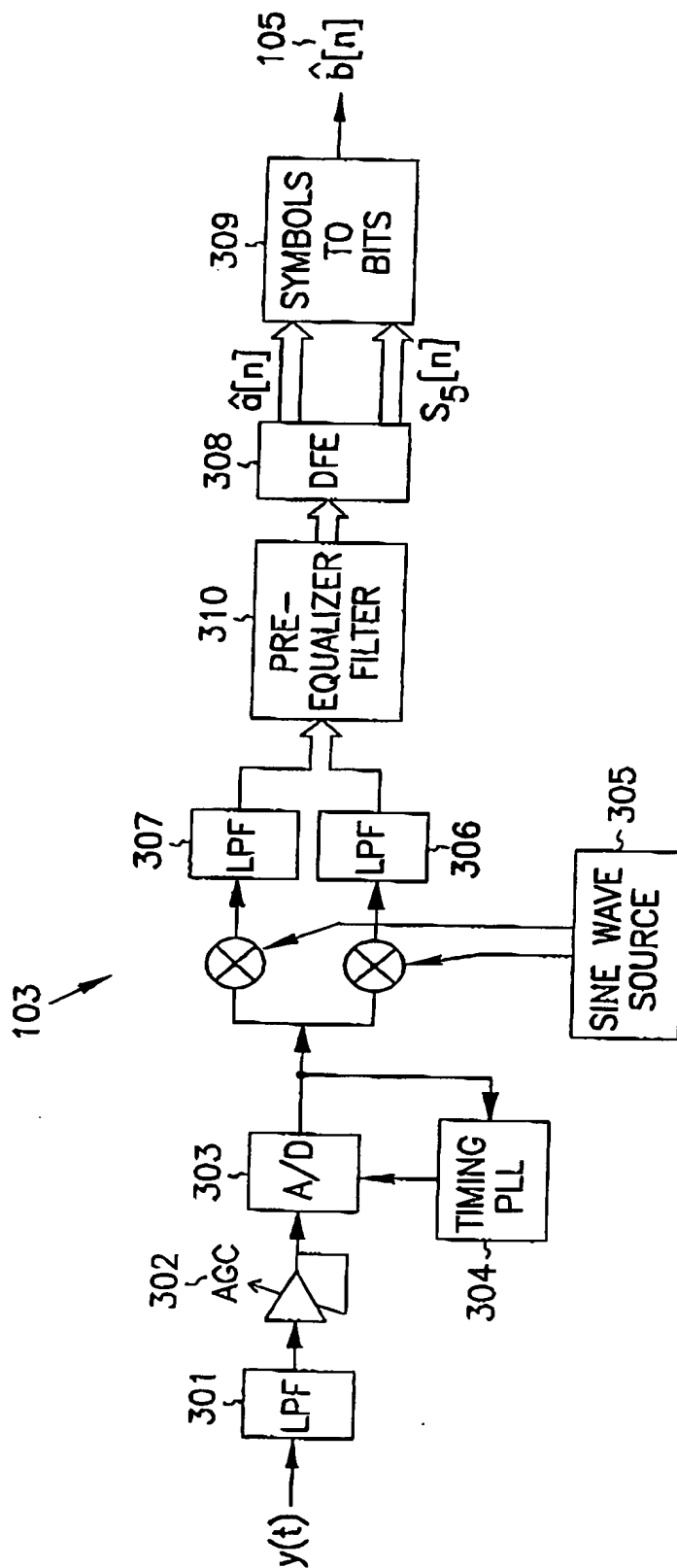
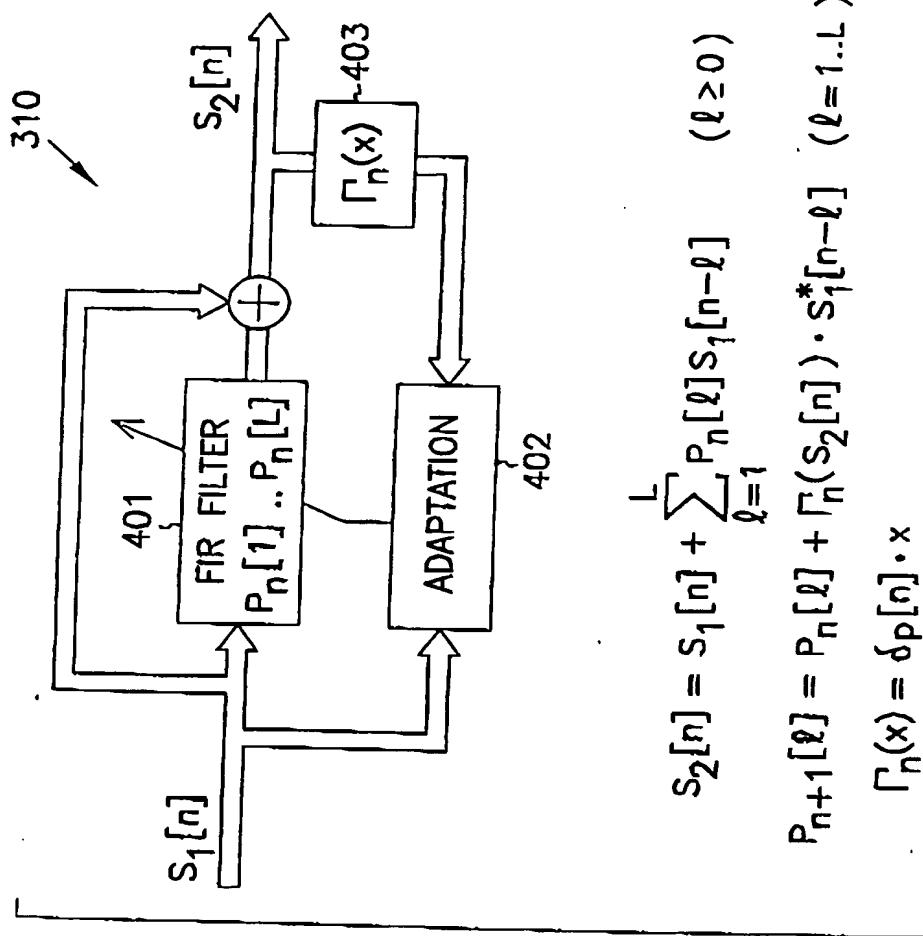


FIG. 3



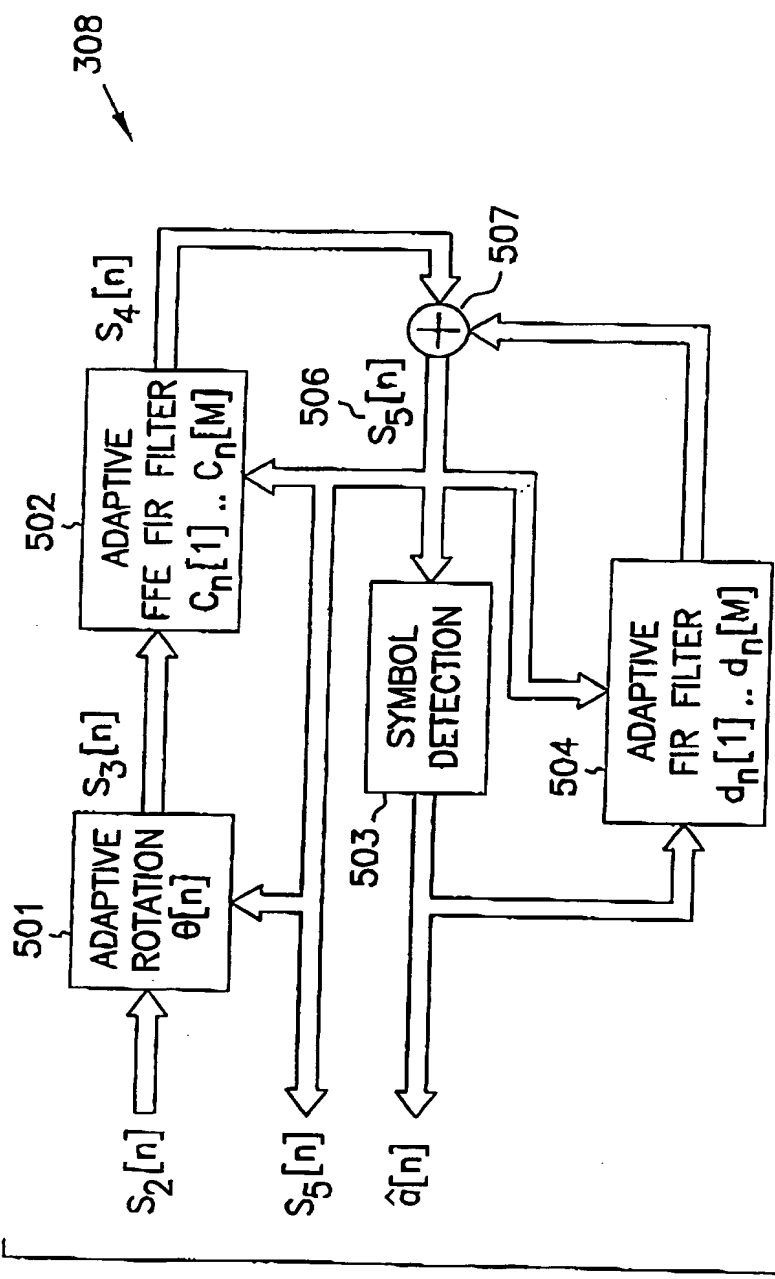


FIG. 5

$$S_3[n] = S_2[n] \cdot e^{j\theta[n]}, \quad \theta[n+1] = \theta[n] + \rho_n(S_5[n])$$

$$S_4[n] = \sum_{m=1}^M C_n[m] S_3[n-m], \quad C_{n+1}[m] = C_n[m] + \varphi_n(S_5[n]) S_3^*[n-m]$$

$$S_5[n] = S_4[n] + \sum_{i=1}^N d_n[i] \hat{a}[n-i], \quad d_{n+1}[i] = d_n[i] + \varphi_n(S_5[n]) \hat{a}^*[n-i] \quad (M \geq 1, N \geq 0)$$